2011 Volvo S60 Specifications

	Petrol T3	Petrol T4	Petrol 2.0T	Petrol T5	Petrol T6	DRIVe	Diesel D3	Diesel D5
Engine								
Engines	B4164T3	B4164T	B4204T6	B4204T7	B6304T4	D4162T	D5204T2	D5244T10
Type	In-line 4 cyl. Turbo	In-line 4 cyl. Turbo	In-line 4 cyl. Turbo	In-line 4 cyl. Turbo	In-line 6 cyl. Turbo	In-line 4 cyl. Diesel turbo	In-line 5 cyl. Diesel turbo	In-line 5 cyl. Diesel turbo
Configuration	FWD	FWD	FWD	FWD	AWD	FWD	FWD	FWD / AWD
Displacement	1596 cm³	1596 cm³	1999 cm³	1999 cm³	2953 cm³	1560 cm³	1984 cm³	2400 cm³
Bore	79.0 mm	79.0 mm	87.5 mm	87.5 mm	82.0 mm	75.0 mm	81.0 mm	81.0 mm
Stroke	81.4 mm	81.4 mm	83.1 mm	83.1 mm	93.2 mm	88.3 mm	77.0 mm	93.15 mm
Compression ratio	10.0:1	10.0:1	10.0:1	10.0:1	9.3:1	16.0:1	16.5:1	16.5:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	2 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	DOHC	SOHC	DOHC	DOHC
Engine management system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Common rail electronic fuelling	Common rail electronic fuelling	Common rail electronic fuelling
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 5 - 3 - 6 - 2 - 4	1 - 3 - 4 - 2	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed	750 rpm	750 rpm	780 rpm	780 rpm	590 rpm	790 rpm	700 rpm	700 auto 740 man
Fuel, rec. Octane	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48
Max engine speed	6150 rpm	6150 rpm	6500 rpm	6500 rpm	6500 rpm	5000 rpm	4400 rpm	5200 rpm
Max output	110 kW (150 hp) / 5700 rpm	132 kW (180 hp) / 5700 rpm	149 kW (203 hp) / 6000 rpm	177 kW (240 hp) / 5500 rpm	224 kW (304 hp) / 5600 rpm	84 kW (115 hp) / 3600 rpm	120 kW (163 hp) / 2900 rpm	151 kW (205 hp) / 4000 rpm
Max torque	240 / 27- 67 Nm / rps	240 (Overboost to 270) / 27 - 83 Nm / rps	300 (Overboost to 320) / 29- 67 Nm / rps	320 / 30- 83 Nm / rps	440 / 35- 70 Nm / rps	270 / 29- 42 Nm / rps	400 / 23- 48 Nm / rps	420 / 25- 54 Nm / rps
Transmissions								
Transmissions	MMT6 Z3 FD	MMT6 Z3 FD / MPS6-7	MMT6 Z3 FD / MPS6-7	MMT6 Z3 FD / MPS6-7	AW TF-80SC	MMT6 W3	AW TF-80SC / M66K F1A	AW TF-80SC / AW TF-80SC (AWD) / M66D F3A
First Gear	3.818	3,818 / 3,818	3,818 / 3,818	3,818 / 3,818	-	3.583	4,148 / 3,583	4,148 / 3,385
Second Gear	2.150	2,150 / 2,150	2,150 / 2,150	2,150 / 2,150	-	1.952	2,370 / 1,905	2,370 / 1,905
Third Gear	1.423	1,423 / 1,407	1,423 / 1,407	1,423 / 1,407	-	1.241	1,556 / 1,194	1,556 / 1,194
Fourth Gear	1.029	1,029 / 1,029	1,029 / 1,029	1,029 / 1,029	-	0.868	1,155 / 0,838	1,155 / 0,838
Fifth Gear	1.129	1,129 / 1,188	1,129 / 1,188	1,129 / 1,188	-	0.943	0,859 / 0,652	0,859 / 0,652
Sixth Gear	0.943	0,943 / 0,971	0,943 / 0,971	0,943 / 0,971	-	0.789	0,686 / 0,540	0,686 / 0,540
Reverse Gear	5.434	5,434 / 5,284	5,434 / 5,284	5,434 / 5,284	-	5.099	3,394 / 3,327	3,394 / 3,231
Manual Gearbox/final drive	3.690 (gear 1-4) - 2.682 (gear 5-6+R)	3,690 (gear 1-4) - 2,682 (gear 5-6+R)	3,813 (gear 1-4) - 2,773 (gear 5-6+R)	3,813 (gear 1-4) - 2,773 (gear 5-6+R)	-	4.063 (gear 1-4) - 2,955 (gear 5-6+R)	3.567	4
Automatic Gearbox/final drive	-	3,933 (gear 1-4) - 2,682 (gear 5-6+R)	3,933 (gear 1-4) - 2,682 (gear 5-6+R)	3,933 (gear 1-4) - 2,682 (gear 5-6+R)	-	-	3.075	3.2
Transmissions (AWD)	-	-	-	-	AW TF-80SC	-	-	AW TF-80SC
First Gear (AWD)	-	-	-	-	4.148	-	-	4.148
Second Gear (AWD)	-	-	-	-	2.370	-	-	2.37
Third Gear (AWD)	-	-	-	-	1.556	-	-	1.556
Fourth Gear (AWD)	-	-	-	-	1.155	-	-	1.155
Fifth Gear (AWD)	-	-	-	-	0.859	-	-	0.859
Sixth Gear (AWD)	-	-	-	-	0.686	-	-	0.686
Reverse Gear (AWD)	-	-	-	-	3.394	-	-	3.394
Manual Gearbox/final drive (AWD)	-	-	-	-	-	-	-	-
Automatic Gearbox / final drive (AWD)	-	-	-	-	3.329	-	-	3.329
Performance								
Performance	Manual	Manual / Automatic	Manual / Automatic	Manual / Automatic	Automatic	Manual	Automatic / Manual	Automatic / Automatic / Manual
Gearbox	MMT6 Z3 FD	MMT6 Z3 FD / MPS6-7	MMT6 Z3 FD / MPS6-7	MMT6 Z3 FD / MPS6-7	AW TF-80SC	MMT6 W3	AW TF-80SC / M66K F1A	AW TF-80SC (FWD) / AW TF-80SC (AWD) / M66D F3A
Acceleration, 0-100 km/h	9,5 sec	8,3 sec / 9,0 sec	7,7 sec / 8,2 sec	7,3 sec / 7,5 sec	6,1 sec	10,9 sec	9,2 sec / 9,2 sec	7,8 sec (FWD) / 8,1 sec (AWD) / 7,8 sec
Top speed, km/h	210 km/h	225 km/h / 225 km/h	230 km/h / 230 km/h	230 km/h / 230 km/h	250 km/h	195 km/h	215 km/h / 220 km/h	230 km/h (FWD) / 225 km/h (AWD) / 235 km/h
Fuel consumption EC 199/100, Combined)	6,6 l/100km	6,6 l/100km (S/S)/ 7,4 l/100km (No S/S)	7,9 l/100km / 8,3 l/100km	7,9 l/100km / 8,3 l/100km	9,9 l/100km	4,3 l/100km	5,9 l/100km / 5,3 l/100km	6,3 l/100km (FWD) / 6,8 l/100km (AWD) / 5,3 l/100km
CO²	152 g/km	152 g/km /173 g/km	184 g/km /193 g/km	184 g/km /193 g/km	231 g/km	114 g/km	154 g/km /139 g/km	166 g/km (FWD) / 179 g/km (AWD) / 139 g/km
Measurements and Volumes								
Length	4628 mm	4628 mm	4628 mm	4628 mm	4628 mm	4628 mm	4628 mm	4628 mm
Width including mirrors, folded	1899 mm	1899 mm	1899 mm	1899 mm	1899 mm	1899 mm	1899 mm	1899 mm
Width including mirrors, outer edge	2097 mm	2097 mm	2097 mm	2097 mm	2097 mm	2097 mm	2097 mm	2097 mm
Height (including shark fin)	1484 mm	1484 mm	1484 mm	1484 mm	1484 mm	1484 mm	1484 mm	1484 mm
Wheelbase (L110)	2776 mm	2776 mm	2776 mm	2776 mm	2776 mm	2776 mm	2776 mm	2776 mm
Track, front (16"/17")	1588 mm / 1578 mm	1588 mm / 1578 mm	1588 mm / 1578 mm	1588 mm / 1578 mm	1588 mm / 1578 mm	1588 mm / 1578 mm	1588 mm / 1578 mm	1588 mm / 1578 mm
Track, rear (16"/17")	1585 mm / 1575 mm	1585 mm / 1575 mm	1585 mm / 1575 mm	1585 mm / 1575 mm	1585 mm / 1575 mm	1585 mm / 1575 mm	1585 mm / 1575 mm	1585 mm / 1575 mm
Ground clearance (+ 2 persons)	124 mm	124 mm	124 mm	124 mm	-	124 mm	124 mm	124 mm
Ground clearance, AWD (+ 2 persons)	-	-	-	-	124 mm	-	-	124 mm
Serving Weight (Depending on type of engine, gearbox etc.)	1487 kg / 1680 kg	1487 kg / 1680 kg	1487 kg / 1680 kg	1487 kg / 1680 kg	1487 kg / 1680 kg	1487 kg / 1680 kg	1487 kg / 1680 kg	1487 kg / 1680 kg
Total Weight (Depending on type of engine, gearbox etc.)	2020 kg / 2220 kg	2020 kg / 2220 kg	2020 kg / 2220 kg	2020 kg / 2220 kg	2020 kg / 2220 kg	2020 kg / 2220 kg	2020 kg / 2220 kg	2020 kg / 2220 kg
Weight/Miscellaneous								
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1600 kg	1600 kg (man) / 1600 kg (auto)	1800 kg (man) / 1800 kg (auto)	1800 kg (man) / 1800 kg (auto)	1800 kg	1300 kg	1600 kg (man) / 1600 kg (auto)	1600 kg (man) / 1800 kg (auto)
Fuel tank, Petrol	67,5 l	67,5 l	67,5 l	67,5 l	67,5 l	-	-	-
Fuel tank, Diesel	-	-	-	-	-	67,5 l	67,5 l	67,5 l
Aerodynamics, (Cd)	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Aerodynamics, (Frontal area)	2,27 m²	2,27 m²	2,27 m²	2,27 m²	2,27 m²	2,27 m²	2,27 m²	2,27 m²
Max roof load	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg
Interior Measurements								
Headroom with sunroof (front/rear)	955 mm / 951 mm	955 mm / 951 mm	955 mm / 951 mm	955 mm / 951 mm	955 mm / 951 mm	955 mm / 951 mm	955 mm / 951 mm	955 mm / 951 mm
Headroom without sunroof (front/rear)	973 mm / 951 mm	973 mm / 951 mm	973 mm / 951 mm	973 mm / 951 mm	973 mm / 951 mm	973 mm / 951 mm	973 mm / 951 mm	973 mm / 951 mm
Passenger compartment width at shoulder height (front/rear)	1447 mm / 1401 mm	1447 mm / 1401 mm	1447 mm / 1401 mm	1447 mm / 1401 mm	1447 mm / 1401 mm	1447 mm / 1401 mm	1447 mm / 1401 mm	1447 mm / 1401 mm
Leg room (front/rear)	1064 mm / 852 mm	1064 mm / 852 mm	1064 mm / 852 mm	1064 mm / 852 mm	1064 mm / 852 mm	1064 mm / 852 mm	1064 mm / 852 mm	1064 mm / 852 mm
Hip room (front/rear)	1395 mm / 1359 mm	1395 mm / 1359 mm	1395 mm / 1359 mm	1395 mm / 1359 mm	1395 mm / 1359 mm	1395 mm / 1359 mm	1395 mm / 1359 mm	1395 mm / 1359 mm
Cargo length at floor from the back of the front seatback	1749 mm	1749 mm	1749 mm	1749 mm	1749 mm	1749 mm	1749 mm	1749 mm
Cargo length at floor from the back of the rear seatback	965 mm	965 mm	965 mm	965 mm	965 mm	965 mm	965 mm	965 mm
Lift over height	656 mm	656 mm	656 mm	656 mm	656 mm	656 mm	656 mm	656 mm
Rear opening height	397 mm	397 mm	397 mm	397 mm	397 mm	397 mm	397 mm	397 mm
Height between luggage floor and parcel shelf	465 mm	465 mm	465 mm	465 mm	465 mm	465 mm	465 mm	465 mm
Luggage floor, height to ground	538 mm	538 mm	538 mm	538 mm	538 mm	538 mm	538 mm	538 mm
Width of luggage compartment between wheelhouses	919 mm	919 mm	919 mm	919 mm	919 mm	919 mm	919 mm	919 mm
Rear opening width at floor, min.	956 mm	956 mm	956 mm	956 mm	956 mm	956 mm	956 mm	956 mm
Chassis								
Suspension front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering
Steering (angle/angle)	15	15	15	15	15	15	15	15
Turning circle (Curb to curb)	11,3 m / 11,9 m	11,3 m / 11,9 m	11,3 m / 11,9 m	11,3 m / 11,9 m	11,3 m / 11,9 m	11,3 m / 11,9 m	11,3 m / 11,9 m	11,3 m / 11,9 m
Turning circle (Wall to wall) m	11,5 / 12,4	11,5 / 12,4	11,5 / 12,4	11,5 / 12,4	11,5 / 12,4	11,5 / 12,4	11,5 / 12,4	11,5 / 12,4
Turns of steering wheel end to end	2,71 / 2,58	2,71 / 2,58	2,71 / 2,58	2,71 / 2,58	2,71 / 2,58	2,71 / 2,58	2,71 / 2,58	2,71 / 2,58
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front)	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm	300 mm / 316 mm / 336 mm
Brake disc diameter (rear)	302 mm	302 mm	302 mm	302 mm	302 mm	302 mm	302 mm	302 mm
Brake disc thickness (front)	28 mm	28 mm	28 mm	28 mm	28 mm	28 mm	28 mm	28 mm
Brake disc thickness (rear) (Solid EPD/Ventilated EPD)	11 mm / 22 mm	11 mm / 22 mm	11 mm / 22 mm	11 mm / 22 mm	11 mm / 22 mm	11 mm / 22 mm	11 mm / 22 mm	11 mm / 22 mm
Braking distance 100-0 km/h	37 m	37 m	37 m	37 m	37 m	37 m	37 m	37 m